BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	1							
Item Name:	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually in Ordinary Soil (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 (KPWD SR 2018-19, Page No.6, Item No.2.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:		26/05/2020					
Earth Work for RCC Drain							
		Park-1					
		1	23.20	13.13	0.30	91.41	
		1	28.10	10.80	0.30	91.04	
		1	30.00	9.60	0.30	86.40	
		1	7.00	9.60	0.30	20.16	
		Park-2					
		1	23.60	17.00	0.30	120.36	
	Total Quantity					409.37	Cum
	Quantity Carried to Summary					409.37	Cum

26-05-20

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	2							
Item Name:	KSRB 2-2 : Earthwork excavation by manual means in Ordinary Soil for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications KBS 2.1(a) / 2.3.5 (KPWD SR 2018-19, Page No.6, Item No.2.3)							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			29/05/2020, 30/05/2020					
For Foundation								
			Park-1					
			1	16.60	0.90	0.90	13.45	
			1	9.90	0.90	0.90	8.02	
			1	13.30	0.90	0.90	10.77	
			1	13.20	0.90	0.90	10.69	
			1	28.10	0.90	0.90	22.76	
			1	30.00	0.90	0.90	24.30	
			1	7.00	0.90	0.90	5.67	
			1	9.60	0.90	0.90	7.78	
			1	30.00	0.90	0.90	24.30	
			1	6.50	0.90	0.90	5.27	
			1	30.00	0.90	0.90	24.30	
			1	14.60	0.90	0.90	11.83	
			Park-2					
			1	17.10	0.90	0.75	11.54	

29-05-20.

Asst.Exective Enginer
BBMP
Yelahanka Sub Division

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	23.60	0.90	0.80	16.99	
			1	14.40	0.90	0.80	10.37	
	Total Quantity						208.03	Cum
	Quantity Carried to Summary						208.03	Cum

Asst Engineer
Ward No.01
BBMP
30-05-20

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	3							
Item Name:	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (KPWD SR 2018-19, Page No.13, Item No.4.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:		05/06/2020, 06/06/2020					
For Foundation							
		Park-1					
		1	16.60	0.90	0.15	2.24	
		1	9.90	0.90	0.15	1.34	
		1	13.30	0.90	0.15	1.80	
		1	13.20	0.90	0.15	1.78	
		1	28.10	0.90	0.15	3.79	
		1	30.00	0.90	0.15	4.05	
		1	7.00	0.90	0.15	0.95	
		1	9.60	0.90	0.15	1.30	
		1	30.00	0.90	0.15	4.05	
		1	6.50	0.90	0.15	0.88	
		1	30.00	0.90	0.15	4.05	
		1	14.60	0.90	0.20	2.63	
		Park-2					
		1	17.10	0.90	0.20	3.08	

CAFE

05/06/2020

05-06-20

Asst.Executive Engineer
BBMP
Yelahanka Sub Division

SL NO	CHAINAGE		NO	L (m)	AvgB (m)	AvgD (m)	QTY	REMARKS
			1	23.60	0.30	0.20	4.25	
			1	14.40	0.30	0.20	2.59	
	Total Quantity						38.76	Cum
	Quantity Carried to Summary						38.76	Cum

Asst Engineer
Ward No.01
BBMP
05-06-20

Asst Executive Engineer
Yelahanka Town Division
BBMP

BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	4							
Item Name:	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(KPWD SR 2018-19, Page No.25, Item No.5.6)							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			16/06/2020, 17/06/2020					
For Foundation								
			Park-1					
Step-1			1	16.60	0.75	0.20	2.49	
			1	9.90	0.75	0.20	1.49	
			1	13.30	0.75	0.20	2.00	
			1	13.20	0.75	0.20	1.98	
			1	28.10	0.75	0.20	4.22	
			1	30.00	0.75	0.20	4.50	
			1	7.00	0.75	0.20	1.05	
			1	9.60	0.75	0.20	1.44	
			1	30.00	0.75	0.20	4.50	
			1	6.50	0.75	0.20	0.98	
			1	30.00	0.75	0.20	4.50	
			1	14.60	0.75	0.20	2.19	
			Park-2					
			1	17.10	0.75	0.20	2.57	
			1	23.60	0.75	0.20	3.54	
			1	14.40	0.75	0.20	2.16	
			Park-1					
Step-2			L 1	16.60	0.60	0.40	3.98	
			L 1	9.90	0.60	0.40	2.38	
			L 1	13.30	0.60	0.40	3.19	

Asst.Exective Enginer
BBMP

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	13.20	0.60	0.40	3.17	
			1	28.10	0.60	0.40	6.74	
			1	30.00	0.60	0.40	7.20	
			1	7.00	0.60	0.60	2.52	
			1	9.60	0.60	0.45	2.59	
			1	30.00	0.60	0.40	7.20	
			1	6.50	0.60	0.40	1.56	
			1	30.00	0.60	0.40	7.20	
			1	14.60	0.60	0.40	3.50	
	Park-2							
			1	17.10	0.60	0.40	4.10	
			1	23.60	0.60	0.40	5.66	
			1	14.40	0.60	0.40	3.46	
	Total Quantity						104.05	Cum
	Quantity Carried to Summary						104.05	Cum

Asst Engineer
Ward No.01
BBMP 17-06-20

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	5							
Item Name:	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				19/06/2020, 20/06/2020				
Wall								
			Park-1					
Step-3			1	16.60	0.45	0.20	1.49	
			1	9.90	0.45	0.20	0.89	
			1	13.30	0.45	0.20	1.20	
			1	13.20	0.45	0.20	1.19	
			1	28.10	0.45	0.20	2.53	
			1	30.00	0.45	0.20	2.70	
			1	7.00	0.45	0.20	0.63	
			1	9.60	0.45	0.20	0.86	
			1	30.00	0.45	0.20	2.70	
			1	6.50	0.45	0.20	0.59	
			1	30.00	0.45	0.20	2.70	
			1	14.60	0.45	0.20	1.31	
			Park-2					
			1	17.10	0.45	0.60	4.62	

Checked
19/06/2020

19-06-20

Asst.Exective Enginer
BBMP
Yelahanka Sub Division

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	23.60	0.45	0.40	4.25	
			1	14.40	0.45	0.40	2.59	
	Total Quantity						30.25	Sqm
	Quanity Limit to						26.03	Sqm
	Quantity Carried to Summary						26.03	Sqm

20/06/2020

Asst Engineer
Ward No.01
BBMP
20-06-20.

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
20/06/2020

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	6							
Item Name:	KSRB 15.1 Providing flush pointing 20 mm deep to square rubble, course or uncoursed stone masonry with cement 1:3 mortar after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications(KPWD SR 2018-19, Page No.115, Item No.15.1)							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				19/06/2020, 20/06/2020				
				Park-1				
Step-3			2	16.60		0.20	6.64	
			2	9.90		0.20	3.96	
			2	13.30		0.20	5.32	
			2	13.20		0.20	5.28	
			2	28.10		0.20	11.24	
			2	30.00		0.20	12.00	
			2	7.00		0.20	2.80	
			2	9.60		0.20	3.84	
			2	30.00		0.20	12.00	
			2	6.50		0.20	2.60	
			2	30.00		0.20	12.00	
			2	14.60		0.20	5.84	
				Park-2				
			2	17.10		0.60	20.52	

C&FC
20/6

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			2	23.60		0.40	18.88	
			2	14.40		0.40	11.52	
	Total Quantity						134.44	Sqm
	Quanity Limit to						99.94	Sqm
	Quantity Carried to Summary						99.94	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	7							
Item Name:	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				29/06/2020, 30/06/2020				
			Park-1					
Step-3			1	16.60	0.45	0.20	1.49	
			1	9.90	0.45	0.20	0.89	
			1	13.30	0.45	0.20	1.20	
			1	13.20	0.45	0.20	1.19	
			1	28.10	0.45	0.20	2.53	
			1	30.00	0.45	0.20	2.70	
			1	7.00	0.45	0.20	0.63	
			1	9.60	0.45	0.20	0.86	
			1	30.00	0.45	0.20	2.70	
			1	6.50	0.45	0.20	0.59	
			1	30.00	0.45	0.20	2.70	
			1	14.60	0.45	0.20	1.31	
			Park-2					
			1	17.10	0.45	0.10	0.77	

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
		1	23.60	0.45	0.10	1.06	
		1	14.40	0.45	0.10	0.65	
	Gate Approach	1	3.00	2.50	0.15	1.13	
	Total Quantity					22.40	Cum
	Quantity Carried to Summary					22.40	Cum

21.19

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BENGALURU MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	8							

Item Name: KSRB 14.6 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (KPWD SR 2018-19, Page No.103, Item No.14.6)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			1/7/2020				
			Park-1	Not Executed			
			1	1.00	1.00	1.00	
						1.00	Sqm
			Total Quantity			1.00	Sqm
			Quantity Carried to Summary				

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	9							
Item Name:	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.(KPWD SR 2018-19, Page No.27, Item No.5.30)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			1/7/2020	Not Executed -			
Park-1							
			1			1.00	
	Total Quantity					1.00	Nos
	Quantity Carried to Summary					1.00	Nos

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst Engineer
Ward No.01
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No 01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	10							
Item Name:	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (KPWD SR 2018-19, Page No.180, Item No.24.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			1/7/2020 Not Executed				
Park-1							
			1	2.80	0.35	0.98	
	Total Quantity					0.98	Sqm
	Quantity Carried to Summary					0.98	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	8							

Item Name: Fabrication, providing and erecting in position Hot dip galvanised Grill using 72 x72 x 4mm Sq. GI Pipe frame with top pipe bending in heavy hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised Sq. rod for verticals at 150mm c/c, as shown in the drawing including providing ho dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 72x12mm and 50x6mm arch bent to hot dip galvanised flats the work is inclusive of troughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq rods, GI gorged designs etc., heavy duty hinges are made out of 75mm solid sq block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at two places including cost of labour, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the engineer-in-charge of the work.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			1/7/2020				
			Park-1				
Step-3			1 16.60		1.50	24.90	
			1 9.90		1.50	14.85	
			1 13.30		1.50	19.95	
			1 13.20		1.50	19.80	
			1 28.10		1.50	42.15	
			1 30.00		1.50	45.00	
			1 7.00		1.50	10.50	
			1 9.60		1.50	14.40	
			1 30.00		1.50	45.00	
			1 6.50		1.50	9.75	
			1 30.00		1.50	45.00	
			1 14.60		1.50	21.90	

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Gate		-1	3.30		1.50	-4.95	
			Park-2					
		C&FC	1	17.10		1.50	25.65	
	Gate		1	14.40		1.50	21.60	
			-1	1.30		1.50	-1.95	
			Total Quantity				353.55	Sqm
			Quanity Limit to				347.04	Sqm
			Quantity Carried to Summary				347.04	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	9							
Item Name:	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (KPWD SR 2018-19, Page No.123, Item No.15.74)							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				4/7/2020				
Park-1								
Step-3			2	16.60		1.40	46.48	
			2	9.90		1.40	27.72	
			2	13.30		1.40	37.24	
			2	13.20		1.40	36.96	
			2	28.10		1.40	78.68	
			2	30.00		1.40	84.00	
			2	7.00		1.40	19.60	
			2	9.60		1.40	26.88	
			2	30.00		1.40	84.00	
			2	6.50		1.40	18.20	
			2	30.00		1.40	84.00	
			2	14.60		1.40	40.88	
	Gate		-2	3.30		1.40	-9.24	
Park-2								
			2	17.10		1.40	47.88	

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			2	23.60		1.40	66.08	
	Gate		-2	1.30		1.40	-3.64	
	Total Quantity						685.72	Sqm
	Quantity Carried to Summary						685.72	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements and Development of Park at Vinivink Shastry Layout in Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. N. Thirunagendra

Item No.	10							

Item Name:	Fabrication, providing and erecting in position Hot dip galvanised Gate using 72 x72 x 4mm Sq. GI Pipe frame with top pipe bending in heavy hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised Sq. rod for verticals at 150mm c/c, as shown in the drawing including providing ho dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 72x12mm and 50x6mm arch bent to hot dip galvanised flats the work is inclusive of troughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq rods, GI gorged designs etc., heavy duty hinges are made out of 75mm solid sq block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at two places including cost of labour, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the engineer-in-charge of the work.

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				1/7/2020				
			Park-1					
	Gate		1	3.30		1.80	5.94	
			Park-2					
	Gate		1	1.30		1.50	1.95	
	Total Quantity						7.89	Sqm
	Quantity Carried to Summary						7.89	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP